| Index | of Claims |
|-------|-----------|
|       |           |

| Application No. | Applicant(s) | ٦ |
|-----------------|--------------|---|
| 10/023,424      | HART ET AL.  |   |
| Examiner        | Art Unit     | ٦ |
| TAN X. DINH     | 2653         |   |

|          |          | _ |   |                                |
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| <b>√</b> | Rejected |   | _ | (Through numeral)<br>Cancelled |
| =        | Allowed  |   | + | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| ı | Interference |

| Α | Appeal   |
|---|----------|
| 0 | Objected |

| Cli   | aim                   | Date    |              |  |              |  |              |  | 1        |              |   |
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| Final | Original              | 11/5/04 |              |  |              |  |              |  |          |              |   |
|       | <u> </u>              | =       | -            | <del> </del>                                     |              |  |              | $\vdash$   | H        |              | - |
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|       | 3                     | =       |              | f  |              | $\vdash$   | $\vdash$     |  | $\vdash$ |              | 1 |
|       | 1<br>2<br>3<br>4<br>5 | =       | $\vdash$     | <del>                                     </del> | 1-           |  | 1            | ╁  |          | _            | 1 |
|       | 5                     | =       | ,            | 1.   | 1            | l  | $\vdash$     |  | l        | 1            | ĺ |
|       |                       | =       | $\vdash$     |  | $I^-$        |  |              | $\vdash$   | <u> </u> | Г            | 1 |
|       | 6<br>7                | =       |              |  |              |  |              |  |          |              | ] |
|       | 8                     | =       |              |  |              |  |              |  |          |              | ] |
|       | 9                     | Ξ       | $\Box$       |  |              |  |              |  |          |              | ] |
|       | 10                    | =       |              |  |              |  |              |  |          |              |   |
|       | 11                    | =       |              |  |              |  |              |  |          |              | 1 |
|       | 11<br>12<br>13        | =       |              | _  |              |  | _            | ـــــ  | <u> </u> | _            | - |
|       | 13                    | =       | _            | L  | L            | _  | _            | 1  | ļ        | <u> </u>     |   |
|       | 14<br>15              | =       | <u> </u>     | _  | _            | <u> </u>   | L            | _  | _        | _            |   |
|       | 15                    | =       | L            | <u> </u>   | <u> </u>     | _  | $\vdash$     | <u> </u>   | <u> </u> | -            | 1 |
|       | 16<br>17              | =       | <u> </u>     | <u> </u>   | <u> </u>     | <u> </u>   | <u> </u>     | ļ.   | <u> </u> | <u> </u>     | - |
|       | 17                    | =       | _            | _  | <u> </u>     | <u> </u>   | <u> </u>     | Ľ  | <u> </u> | <u> </u>     | - |
|       | 18                    | =       | _            | <u> </u>   | <u> </u>     | <u> </u>   | <u> </u>     | ļ  | ,        | <u> </u>     | - |
|       | 19                    | =       | <u> </u>     | <u> </u>   |              | _  | L            | <u> </u>   | <u> </u> | <u> </u>     | 1 |
|       | 20                    | =       |              |  |              | _  | <u> </u>     | <u> </u>   | <u> </u> | <del> </del> | - |
|       | 21                    | =       | ⊢            |  | -            | ļ  | ļ            |  |          | ļ            | - |
|       | 22<br>23              | =       | <u> </u>     | _  | ├            | <u> </u>   | <del> </del> | <u> </u>   | _        | ├            | - |
|       | 23                    | =       | <u> </u>     |  |              |  | -            |  | <u> </u> |              | - |
|       | 24<br>25              | =       | ⊢            | $\vdash$   | -            | <u> </u>   | <u> </u>     | -  |          | _            | - |
|       | 26                    | =       | ┝            | _  | -            |  | ├            | ┈  | <u> </u> | ⊢            | l |
|       | 20                    | =       | ┝            |  | -            | -  | $\vdash$     | ├  | -        |              | ł |
|       | 27<br>28              | _       |              | -  |              |  | <del> </del> |  | <u> </u> |              | ł |
|       | 29                    | -       | _            | ⊢  | ┢            | ⊢  | -            | -  | ├        | -            | İ |
|       | 30                    | _       |              | ┝  | -            | ├  | -            | -  | $\vdash$ | -            |   |
| _     | 31                    | -       |              |  | -            | -  |              | $\vdash$   | $\vdash$ |              |   |
|       | 32                    | -       | <del> </del> | $\vdash$   | $\vdash$     | <u> </u>   | $\vdash$     | $\vdash$   | <u> </u> | $\vdash$     |   |
|       | 33                    | =       |              | $\vdash$   | $\vdash$     | _  | -            | <del>                                     </del> | -        | $\vdash$     |   |
|       | 34                    | =       |              | $\vdash$   | <del> </del> |  |              |  |          |              |   |
|       | 35                    | =       |              |  | $\vdash$     | $\vdash$   | $\vdash$     |  |          | $\vdash$     |   |
|       | 36                    | =       |              |  | <u> </u>     |  | -            | $\vdash$   |          | $\vdash$     |   |
|       | 37                    | =       |              |  |              |  | Г            |  |          |              | 1 |
| -     | 38                    | =       |              |  |              |  |              | <u> </u>   |          |              |   |
|       | 39                    | =       |              |  |              |  |              |  |          |              |   |
|       | 40                    | =       |              |  |              |  |              |  |          |              |   |
|       | 41                    | =       |              |  |              |  |              |  |          |              |   |
|       | 42                    | =       |              |  |              |  |              |  |          |              | ŀ |
|       | 43                    | II      |              |  |              |  |              |  |          |              |   |
|       | 44                    | =       |              |  |              |  |              | _  | L        |              |   |
|       | 45                    | =       |              |  |              |  |              |  |          |              |   |
|       | 46                    | =       |              | _  |              |  |              |  |          |              |   |
|       | 47                    | =       |              |  |              |  |              | L  |          |              |   |
|       | 48                    | =       |              |  |              |  | L            | L  |          |              |   |
|       | 49                    | =       |              |  | Ш            |  | _            |  |          |              |   |
|       | 50                    | =       |              |  | L            |  |              |  |          |              |   |

|          |                |                                       |            |          |          | _        |  |                |              |          |
|----------|----------------|---------------------------------------|------------|----------|----------|----------|--|----------------|--------------|----------|
| Cla      | aim            | _                                     |            |          |          | Dat      | <u>e</u>   |                |              | γ-       |
| Final    | Original       | 11/5/04                               |            | 1        |          |          |  |                |              |          |
|          | 51<br>52<br>53 | =                                     |            |          |          | L        |  |                |              |          |
| $\Box$   | 52             | =                                     |            |          |          |          |  |                |              |          |
|          | 53             | =                                     |            |          |          |          |  |                | *            |          |
|          | 54             | =                                     |            |          |          |          |  |                |              |          |
|          | 54<br>55       | =                                     |            |          |          |          |  |                |              | L        |
|          | 56<br>57       | 1                                     |            |          |          |          |  |                |              |          |
| <u></u>  | 57             | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | <u>L</u> . |          | <u> </u> |          | <u> </u>   | <u> </u>       | L            | L        |
| <u></u>  | 58             | 1                                     |            |          | _        | <u> </u> | <u> </u>   | <u> </u>       | ↓_           | Ļ        |
|          | 59             | 1                                     |            |          | _        | _        |  | Ļ              | <u> </u>     |          |
|          | 60             | ٧.                                    | _          | _        | <u> </u> | _        | L  | 1_             | L            | <u> </u> |
|          | 61             | V                                     |            |          | ┡        | <u> </u> | ļ.,  | <u> </u>       | <u> </u>     | L        |
|          | 62<br>63       | 1                                     |            |          | ┞        | ⊢        | ļ  | <del> </del> _ |              | L        |
| ļ        | 63             | V                                     |            |          | ┡        | ┡        | <u> </u>   | <u> </u>       | <b>├</b>     | <u> </u> |
|          | 64<br>65       | _                                     | <u> </u>   | $\vdash$ | -        | ├-       | <u> </u>   | -              | ┞            | _        |
|          | 65             | <u> </u>                              |            | -        | ļ        | 1        | ├  | <u> </u>       | -            | -        |
| <u> </u> | 66             | -                                     | <u> </u>   | -        | ╀        | ⊬        | ⊢  | ⊢              | -            | -        |
| <u> </u> | 67<br>68       | <del> </del>                          |            |          | ├        | ├        | -  |                | ├—           | ⊢        |
| <u> </u> | 69             |                                       |            | $\vdash$ | ⊢        | ├        | ⊢  | <u> </u>       | $\vdash$     | $\vdash$ |
| -        | 70             | ┢                                     |            | -        | ├-       | ╀        | $\vdash$   |                | -            | -        |
| -        | 71             |                                       | $\vdash$   | ├        | ├        | ┼-       | -  |                | -            | ├        |
| $\vdash$ | 72             | ├                                     | $\vdash$   | $\vdash$ | ┢        | $\vdash$ | _  |                | ⊢            | ┝        |
|          | 72<br>73<br>74 | $\vdash$                              |            |          | -        | ┢        |  | ╁              | ┢            | ┢        |
|          | 74             |                                       | $\vdash$   | -        | _        | -        | -  | $\vdash$       | $\vdash$     | ┢        |
|          | 75             | $\vdash$                              |            | $\vdash$ |          | ╁        |  | -              | -            | Н        |
|          | 75<br>76       |                                       | _          |          | $\vdash$ | 十        | <del>                                     </del> | -              | -            | T        |
|          | 77             |                                       |            |          |          | $\vdash$ |  | <u> </u>       | <del> </del> | 1        |
|          | 78             |                                       |            |          |          |          |  | $\vdash$       |              | Г        |
|          | 79             |                                       |            | _        |          |          |  | Т              | Г            | Г        |
|          | 80             |                                       |            |          |          |          |  |                |              | Г        |
|          | 81             |                                       |            |          |          |          |  |                | -            |          |
|          | 82             |                                       |            |          |          |          |  |                |              |          |
|          | 83             |                                       |            |          |          |          |  |                | L            |          |
|          | 84             |                                       |            |          |          | _        |  | L_             | _            |          |
|          | 85             |                                       |            |          |          |          |  |                | L            |          |
|          | 86             |                                       |            | _        |          | _        | L  | ļ              | <u> </u>     |          |
|          | 87             |                                       |            |          | L        | <u> </u> | <u> </u>   |                |              |          |
|          | 88             |                                       |            |          | L_       |          | <u> </u>   | <u> </u>       |              |          |
|          | 89             |                                       |            |          |          | _        | <u> </u>   | _              | <u> </u>     | _        |
| <u> </u> | 90             | -                                     | _          |          | -        |          |  | <u> </u>       | <u> </u>     | _        |
| -        | 91             | $\dashv$                              |            |          | -        | _        |  |                | <u> </u>     | -        |
|          | 92<br>93       |                                       |            |          | <u> </u> | $\vdash$ |  | <u> </u>       | <u> </u>     | $\vdash$ |
| $\vdash$ | 93             |                                       | -          |          | -        | ├—       | <u> </u>   | <u> </u>       | $\vdash$     | -        |
| $\vdash$ | 95             |                                       |            |          |          | -        | -  |                | ├-           | _        |
|          | 96             | -                                     |            |          | -        | $\vdash$ | $\vdash$   |                | -            | -        |
| $\vdash$ | 97             | -                                     | $\dashv$   |          | ٠        | <u> </u> | -  | $\vdash$       | Η.           | _        |
| $\vdash$ | 98             | -                                     |            | -        |          |          | $\vdash$   | -              | $\vdash$     |          |
|          | 99             | -                                     | -          | $\vdash$ |          | -        | $\vdash$   | -              | -            |          |
| $\vdash$ | 100            | $\neg$                                | $\exists$  | -        |          | _        | $\vdash$   |                | -            | _        |
| ш        | ,50            |                                       |            |          |          |          | لــــا   | لـــا          | لب           | _        |

| Cl       | aim               | Date     |                |  |              |                  |          |              |  |                 |
|----------|-------------------|----------|----------------|--|--------------|------------------|----------|--------------|--|-----------------|
|          | Г <u>-</u>        | Γ        | Т              |  | Г            | Т                | Г        | П            | T  | Τ               |
| Final    | Original          |          |                |  |              |                  |          |              |  |                 |
|          | ı                 |          | <u> </u>       |  | <u> </u>     | L                | L        |              |  |                 |
|          | 101<br>102        |          | ╙              | ┡  | ╙            | ↓_               | <u> </u> | <u> </u>     | <u> </u>   | <u> </u>        |
|          | 102               |          | <u> </u>       | 上  | <u> </u>     | ╙                | L        | L            | L  | _               |
|          | 103               |          | ļ              | <u> </u>   | ↓_           | <u> </u>         | _        | <u> </u>     | _  |                 |
|          | 104               | ļ        | ļ              | _  | ╙            | <u> </u>         | _        |              | ļ  | <u> </u>        |
|          | 103<br>104<br>105 | <u> </u> | <u> </u>       | $oxed{oxed}$                                     | ╙            | $\perp$          | <u> </u> | <u> </u>     | L  | _               |
|          | 106               | <u>L</u> | <u> </u>       | <u> </u>   | $oxed{oxed}$ |                  | Ļ        | <u> </u>     | L  | L.,             |
| <u> </u> | 107               | _        | ↓_             | <u> </u>   | _            | -↓               | <u> </u> | <u> </u>     | <u> </u>   | _               |
| L        | 108               | <u> </u> | ـــــ          | _  | _            | ┺                | ╙        | <u> </u>     | _  | L               |
| ļ        | 109               | <u> </u> | _              | _  | Ļ.,          | ↓_               | _        | _            | ļ  |                 |
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|          | 113<br>114<br>115 | _        | _              |  | -            |                  | <u> </u> | <u> </u>     | <del> </del>                                     | Ŀ               |
|          | 114               | _        | <u> </u>       | <u> </u>   | <u> </u>     | <del>  _</del> - | _        | ļ            | ┞  |                 |
|          | 115               | _        | $\vdash$       |  | $\vdash$     | <b>—</b>         | <u> </u> | <u> </u>     | <b> </b> -                                       | <u> </u>        |
|          | 116<br>117        |          | <u> </u>       | _  | <u> </u>     |                  | -        | <u> </u>     | <u> </u>   | <b> </b>        |
|          | 117               |          | ├_             | _  | <u> </u>     | -                | <u> </u> | <u> </u>     | ├_   | -               |
|          | 118               |          |                | -  |              | <del> </del>     | _        | _            | <u> </u>   |                 |
|          | 119               |          | _              | <u> </u>   | _            | -                | _        |              | _  |                 |
|          | 120               |          | <u> </u>       |  |              | -                | <u> </u> | ┝            | -  |                 |
|          | 121<br>122        |          | <u> </u>       | _  |              |                  | _        | <del> </del> | <u> </u>   |                 |
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|          | 137               |          | $\vdash$       | $\vdash$   | $\vdash$     | $\vdash$         |          | <u> </u>     |  | $\vdash$        |
|          | 137<br>138        |          | $\overline{}$  |  | $\vdash$     | Г                |          |              | <b></b>  | $\vdash$        |
|          | 139 l             |          |                |  | l            |                  |          | $\vdash$     | <del>                                     </del> | $\vdash$        |
| $\neg$   | 140               | _        |                |  |              | Г                | _        | $\vdash$     | <u> </u>   | $\vdash$        |
|          | 141               |          |                |  |              |                  |          |              | $\vdash$   | Н               |
|          | 142               |          |                |  |              |                  |          |              |  | $\Box$          |
|          | 143               |          |                |  |              |                  |          |              |  |                 |
|          | 144               |          |                |  |              |                  |          |              |  | П               |
|          | 145               |          |                |  |              |                  |          |              |  |                 |
|          | 146               |          |                |  |              |                  |          |              |  | $\sqcap$        |
|          | 147               |          |                |  |              |                  |          |              |  | $\Box$          |
|          | 148               |          |                |  |              |                  |          |              |  |                 |
|          | 149               |          |                |  |              |                  |          |              |  |                 |
|          | 150               |          |                |  |              |                  |          |              |  |                 |
|          |                   |          |                |  |              |                  |          |              |  |                 |